

Method Path : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\
 Method File : 8270-BP091619.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Dec 03 04:47:00 2018
 Response Via : Initial Calibration

Calibration Files

10 =BP000240.D 20 =BP000241.D 40 =BP000242.D 50 =BP000243.D 60 =BP000244.D 80 =BP000245.D 100 =BP000246.D

	Compound	10	20	40	50	60	80	100	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.531	0.528	0.554	0.507	0.525	0.512	0.504	0.523	3.33
3)	Pyridine	1.473	1.405	1.503	1.362	1.414	1.355	1.341	1.407	4.36
4)	n-Nitrosodimet...	0.399	0.400	0.413	0.381	0.405	0.387	0.393	0.397	2.71
5) S	2-Fluorophenol	1.312	1.247	1.252	1.118	1.132	1.054	0.995	1.159	9.99
6)	Aniline	2.249	2.152	2.105	1.897	1.929	1.745	1.628	1.958	11.46
7) S	Phenol-d6	1.634	1.552	1.520	1.371	1.400	1.279	1.185	1.420	11.17
8)	2-Chlorophenol	1.391	1.348	1.329	1.220	1.244	1.145	1.057	1.248	9.53
9)	Benzaldehyde	1.026	0.932	0.799	0.732	0.715		0.841		15.96
10) C	Phenol	1.865	1.788	1.754	1.588	1.587	1.422	1.290	1.613	12.79
11)	bis(2-Chloroet...	1.358	1.309	1.304	1.198	1.241	1.143	1.095	1.236	7.73
12)	1,3-Dichlorobe...	1.665	1.604	1.599	1.459	1.471	1.377	1.304	1.497	8.76
13) C	1,4-Dichlorobe...	1.667	1.604	1.600	1.441	1.468	1.379	1.267	1.489	9.55
14)	1,2-Dichlorobe...	1.586	1.504	1.480	1.332	1.340	1.213	1.096	1.364	12.64
15)	Benzyl Alcohol	1.175	1.125	1.110	1.012	1.033	0.938	0.841	1.033	11.22
16)	2,2'-oxybis(1-...	1.328	1.283	1.244	1.141	1.164	1.064	0.975	1.171	10.66
17)	2-Methylphenol	1.166	1.126	1.122	1.032	1.070	0.999	0.965	1.068	6.91
18)	Hexachloroethane	0.603	0.585	0.591	0.537	0.550	0.513	0.480	0.551	8.16
19) P	n-Nitroso-di-n...	0.888	0.819	0.779	0.716	0.731	0.672	0.652	0.751	11.13
20)	3+4-Methylphenols	1.533	1.430	1.354	1.201	1.189	1.045		1.292	13.87
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.515	0.487	0.468	0.416	0.412	0.384	0.353	0.433	13.44
23) S	Nitrobenzene-d5	0.340	0.334	0.331	0.299	0.304	0.288	0.272	0.310	8.36
24)	Nitrobenzene	0.351	0.347	0.345	0.313	0.316	0.300	0.281	0.322	8.36
25)	Isophorone	0.666	0.650	0.639	0.583	0.603	0.579	0.578	0.614	6.04
26) C	2-Nitrophenol	0.163	0.171	0.179	0.168	0.176	0.170	0.169	0.171	3.13
27)	2,4-Dimethylph...	0.291	0.292	0.291	0.261	0.271	0.254	0.244	0.272	7.32
28)	bis(2-Chloroet...	0.453	0.441	0.436	0.393	0.402	0.376	0.357	0.408	8.85
29) C	2,4-Dichloroph...	0.315	0.310	0.312	0.281	0.287	0.274	0.262	0.291	7.20
30)	1,2,4-Trichlor...	0.362	0.358	0.358	0.324	0.330	0.312	0.294	0.334	7.81
31)	Naphthalene	1.073	1.036	1.025	0.896	0.893	0.822	0.738	0.926	13.34
32)	Benzoic acid	0.172	0.186	0.200	0.149	0.195	0.170	0.214	0.184	11.93
33)	4-Chloroaniline	0.467	0.457	0.447	0.402	0.401	0.384	0.376	0.419	8.83
34) C	Hexachlorobuta...	0.210	0.211	0.211	0.192	0.197	0.187	0.176	0.198	6.85
35)	Caprolactam	0.108	0.101	0.103	0.096	0.098	0.095	0.093	0.099	5.42
36) C	4-Chloro-3-met...	0.322	0.313	0.312	0.286	0.291	0.277	0.269	0.296	6.81
37)	2-Methylnaphth...	0.736	0.693	0.686	0.619	0.611	0.565	0.523	0.633	11.96
38)	1-Methylnaphth...	0.693	0.638	0.643	0.578	0.576	0.534	0.490	0.593	11.73

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.632	0.620	0.617	0.555	0.561	0.529	0.488	0.572	9.41	
41) P	Hexachlorocycl...	0.307	0.339	0.353	0.329	0.338	0.323	0.309	0.328	5.05	
42) S	2,4,6-Tribromo...	0.217	0.209	0.212	0.195	0.196	0.184	0.176	0.198	7.64	
43) C	2,4,6-Trichlor...	0.425	0.416	0.420	0.382	0.396	0.372	0.359	0.396	6.45	
44)	2,4,5-Trichlor...	0.434	0.426	0.432	0.394	0.402	0.378	0.370	0.405	6.43	
45) S	2-Fluorobiphenyl	1.314	1.238	1.055	1.019	0.931		1.111		14.32	
46)	1,1'-Biphenyl	1.611	1.558	1.521	1.339	1.329	1.236	1.090	1.384	13.66	
47)	2-Chloronaphth...	1.317	1.278	1.264	1.121	1.121	1.054	0.969	1.161	11.14	
48)	2-Nitroaniline	0.312	0.313	0.312	0.285	0.294	0.276	0.270	0.295	6.23	
49)	Acenaphthylene	2.024	1.976	1.917	1.689	1.662	1.551	1.393	1.745	13.49	
50)	Dimethylphthalate	1.523	1.450	1.454	1.308	1.331	1.256	1.217	1.363	8.38	
51)	2,6-Dinitrotol...	0.303	0.308	0.317	0.296	0.305	0.290	0.278	0.300	4.33	
52) C	Acenaphthene	1.259	1.215	1.197	1.078	1.084	1.005	0.869	1.101	12.37	
53)	3-Nitroaniline	0.372	0.360	0.367	0.340	0.344	0.332	0.320	0.348	5.54	
54) P	2,4-Dinitrophenol	0.102	0.118	0.134	0.133	0.145	0.143	0.151	0.132	12.87	
55)	Dibenzofuran	1.812	1.742	1.692	1.516	1.504	1.398	1.230	1.556	13.22	
56) P	4-Nitrophenol	0.265	0.264	0.279	0.252	0.259	0.252	0.241	0.259	4.72	
57)	2,4-Dinitrotol...	0.393	0.400	0.419	0.388	0.400	0.378	0.363	0.392	4.57	
58)	Fluorene	1.445	1.328	1.264	1.103	1.085	0.987		1.202	14.35	
59)	2,3,4,6-Tetrac...	0.369	0.365	0.358	0.326	0.329	0.305	0.283	0.333	9.73	
60)	Diethylphthalate	1.518	1.432	1.407	1.261	1.280	1.177	1.100	1.311	11.35	
61)	4-Chlorophenyl...	0.732	0.686	0.674	0.601	0.590	0.545	0.492	0.617	13.73	
62)	4-Nitroaniline	0.373	0.358	0.361	0.334	0.336	0.319	0.315	0.342	6.41	
63)	Azobenzene	1.309	1.251	1.200	1.075	1.066	0.978	0.894	1.111	13.48	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.076	0.088	0.097	0.093	0.100	0.100	0.103	0.094	9.87	
66) c	n-Nitrosodiphe...	0.678	0.674	0.652	0.572	0.585	0.547	0.507	0.602	11.10	
67)	4-Bromophenyl-...	0.238	0.242	0.240	0.216	0.225	0.214	0.207	0.226	6.34	
68)	Hexachlorobenzene	0.263	0.265	0.263	0.236	0.245	0.234	0.223	0.247	6.86	
69)	Atrazine	0.222	0.203	0.158	0.134	0.121	0.076		0.152	35.47	
70) C	Pentachlorophenol	0.134	0.146	0.144	0.133	0.137	0.127	0.123	0.135	6.19	
71)	Phenanthrene	1.170	1.144	1.100	0.955	0.962	0.887	0.799	1.002	13.89	
72)	Anthracene	1.186	1.132	1.097	0.954	0.948	0.873		1.032	12.00	
73)	Carbazole	1.083	1.060	1.015	0.898	0.877	0.824	0.745	0.929	13.69	
74)	Di-n-butylphth...	1.364	1.300	1.256	1.083	1.081	0.971		1.176	13.00	
75) C	Fluoranthene	1.300	1.207	1.186	1.030	1.028	0.929	0.853	1.076	14.95	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.893	0.800	0.736	0.580	0.563			0.714	19.86	
78)	Pyrene	1.601	1.630	1.591	1.460	1.486	1.392	1.315	1.496	7.85	
79) S	Terphenyl-d14	1.114	1.103	1.018	0.922	0.921	0.829	0.766	0.953	13.88	
80)	Butylbenzylphth...	0.695	0.721	0.729	0.665	0.686	0.661	0.656	0.688	4.24	
81)	Benzo(a)anthra...	1.409	1.373	1.366	1.237	1.231	1.160	1.068	1.263	9.92	
82)	3,3'-Dichlorob...	0.553	0.544	0.549	0.500	0.504	0.471	0.433	0.508	8.83	
83)	Chrysene	1.372	1.351	1.335	1.195	1.212	1.144	1.073	1.240	9.23	
84)	Bis(2-ethylhex...	0.940	0.908	0.895	0.810	0.813	0.735	0.676	0.825	11.68	
85) c	Di-n-octyl pht...	1.640	1.598	1.682	1.519	1.533	1.429	1.307	1.530	8.43	
86)	Indeno(1,2,3-c...	1.447	1.418	1.568	1.492	1.563	1.561	1.536	1.512	4.02	

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87) I	Perylene-d12									
88)	Benzo(b)fluora...	1.248	1.217	1.323	1.156	1.177	1.108	1.123	1.193	6.34
89)	Benzo(k)fluora...	1.240	1.080	1.087	0.997	1.028	0.987	0.867	1.041	11.00
90) C	Benzo(a)pyrene	1.176	1.135	1.151	1.043	1.070	1.033	0.990	1.086	6.40
91)	Dibenzo(a,h)an...	1.094	1.001	1.087	0.988	1.011	0.974	0.930	1.012	5.87
92)	Benzo(g,h,i)pe...	1.074	0.967	1.096	1.024	1.061	1.038	1.024	1.040	4.05

(#) = Out of Range